



Material Safety Data Sheet

#M-23014 WS

SECTION I - General Information

Product Name: Autex[®] RP Developer Replenisher
Catalog No. 23014 (Working Strength)

Chemical Family:
Photographic Developer

Formula:
Aqueous Mixture

Transportation Information:

Regulated by U.S. Department of Transportation? No
Proper Shipping Name: N/A
U.N. Identification Number: N/A
Hazard Class: N/A
Packing Group: N/A
Exceptions: N/A

Manufacturer:
ALLIED Diagnostic Imaging Resources, Inc.
5440 Oakbrook Parkway
Norcross, GA 30093

Manufacturer's Phone Number:
(770) 448-0250

CHEMTREC Phone Number:
(800) 424-9300

SECTION II - Product and Hazardous Ingredients Information

<u>Item</u>	<u>CAS#</u>	<u>PERCENT</u>	<u>PEL (TWA)</u>	<u>SARA</u> <u>RO/TPO</u>	
Potassium Hydroxide	1310-58-3	1-2	2 mg/m ³	1000#	N/A
Sodium Sulfite	7757-83-7	3-8	N/A	N/A	N/A
Hydroquinone	123-31-9	1-2	2mg/m ³	100#/500#	
Water	7732-18-5	90-95	N/A	N/A	N/A

Contains less than 0.05% Nitrotriacetic acid, trisodium salt (CAS# 5064-31-3). The International Agency for Research on Cancer (IARC) lists Nitrotriacetic acid, trisodium salt as Group 2B (Possible Carcinogen). Carcinogens present on 0.1% or more are required to be listed on Material Safety Data Sheets.

SECTION III - Physical Data

Boiling Point: >212° F.

Specific Gravity: 1.075

Vapor Pressure (mmHg): 17.0

Vapor Density (Air = 1): 0.6

Percent Volatile by Weight: 92%

Solubility in Water: Complete

Evaporation Rate: N/A

Appearance and Odor: Pale Yellow, odorless.

pH: 10.50

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None

Extinguishing Media: Use method appropriate for surrounding fire.

Special Fire Fighting Procedures: Use protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosions Hazards: When heated to decomposition, it can emit toxic fumes of CO₂, SO₂, and possibly CO.

SECTION V - Health Hazard Data

TLV (ACGIH): Hydroquinone (2mg/m³), Potassium Hydroxide (2mg/m³)

Effects of Overexposure:

Inhalation: Low hazard for ordinary industrial handling.

Eyes: Vapor may cause irritation. Contact may cause burns.

Skin: Repeated and prolonged contact may cause irritation.



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Ingestion: Do **Not** take internally. May be harmful if swallowed.

Pure Component Toxicology Information

Hydroquinone: Moderately toxic by oral ingestion. It is a skin and eye irritant and may cause an allergic reaction in sensitive individuals. Hydroquinone also may cause brown staining of the conjunctiva following prolonged direct eye contact with the solid and may depigment the skin following repeated skin contact under some circumstances. Hydroquinone is a CNS stimulant based on animal studies. Although Hydroquinone is not listed as a human carcinogen, it has caused cancer in some animal studies.

Sodium Carbonate: Slightly toxic by oral ingestion. It is a moderate to strong skin, eye, and respiratory tract irritant.

Potassium Sulfite and Sodium Sulfite: Slightly toxic by oral ingestion. It is a slight to moderate skin, eye, and respiratory tract irritant. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, hives, weakness and diarrhea following ingestion.

Evidence of Carcinogen: Hydroquinone

Teratogenicity: N/A

Reproductive Toxicity: N/A

Mutagenicity: Sodium Sulfite, Hydroquinone

Synergistic Products: N/A

Emergency First Aid Procedures:

Skin: Wash skin with soap and water. If irritation occurs, seek medical attention. Remove contaminated clothing. Launder contaminated clothing before re-use.

Eyes: Flush with large amounts of water for 15 minutes.

Ingestion: Induce vomiting only as directed by medical personnel. Seek medical attention immediately, giving full details of amount ingested and toxicity.

Inhalation: Move to fresh air.

Primary route(s) of entry: Skin contact.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong acids, strong bases.

Hazardous Decomposition Products: When heated to decomposition, it can emit toxic fumes of CO₂, SO₂ and possibly CO.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Keep away from heat or flame. Keep away from acids, amines, alcohols, and strong oxidizers.

SECTION VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled: Wear protective clothing as specified in Section VIII. Neutralize with sodium bicarbonate. If federal, state and local laws permit, flush to sewer with large amounts of water.

Waste Disposal: Neutralize with sodium bicarbonate. If federal, state, and/or local laws permit, flush to sewer with large amounts of water. Otherwise, dispose of contaminated product and materials used in cleaning up the spill in a manner approved for this material. Consult proper federal, state and/or local regulatory agencies to ascertain proper disposal procedures.

SECTION VIII -Special Protection Information:

Respiratory Protection (Specify Type): Should not be necessary under normal conditions. If exposed to vapors that exceed TLV or PEL, wear approved organic vapor/ mist respirator or an air supplied respirator as appropriate.

Ventilation: Use local exhaust to control vapors or mists to the PEL.

Protective Equipment:

Gloves: Impervious gloves.

Eyes: Wear protective goggles.

Other: As necessary to prevent skin contact. Eyewash facilities in vicinity of use.

SECTION IX -Regulatory Information



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U.S. California Prop 65: none

Carcinogenicity Classification (components present at 0.1% or more):

The International Agency for Research on Cancer (IARC):

Sodium Sulfite: 3 (Classification not possible from current data)

Potassium Sulfite: 3 (not classifiable as to carcinogenicity to humans)

Hydroquinone: 3 (not classifiable as a carcinogen)

NOTE: Contains less than 0.05% Nitrotriacetic acid, trisodium salt (CAS# 5064-31-3). The International Agency for Research on Cancer (IARC) lists Nitrotriacetic acid, trisodium salt as Group 2B (Possible Carcinogen).

U.S. National Toxicology Program (NTP): none

U.S. Occupational Safety and Health Administration (OSHA): none

SECTION X-Special Precautions

Precautions to be Taken in Handling and Storage: Do not store or consume food, drink or tobacco in surrounding area. Do not store near strong acids or bases. Wash thoroughly after use.

The information contained in this material safety data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of the materials and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.

Revised: March 31, 2008